


# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| <b>Title of Invention</b> | Reflective Arrayed Waveguide Grating   |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
|---------------------------|--|--|--------------------------|-------------------|-----------|--------------|---|--------------|------------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|----------------|------------------------|-----|------------|----------------|--------------------|------|------------|----------------|--------------------|-------|------------|--------|------------------------|-----|------------|--------|------------|------|------------|--------|------------|-------|------------|---------------|------------------------|------|------------|---------------|-------------------|------|------------|---------------|-------------------|-------|------------|---------------|-----------|-------|------------|------------|------------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|------------------|--------------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|------------------|---------------------|-------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|------------------|-------------|------|------------|
| Submission Type :         | Utility Patent Filing  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| Application Number:       | 10/605638  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| EFS ID:                   | 49323  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| Server Response:          | <table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>2637</td> </tr> </tbody> </table>  |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1        | 2637                   |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| Confirmation Code         | Message  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| ISVR1                     | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| ICON1                     | 2637   |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| First Named Applicant:    | Anis Rahman  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| Attorney Docket Number:   |  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| Timestamp:                | 2003-10-15 16:26:37 EDT  |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| From:                     | us   |  |                          |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| File Listing:             | <table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-fee-sheet</td><td>nonprovrawg-usfees.xml</td><td>1630</td><td>2003-10-15</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2003-10-15</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2003-10-15</td></tr> <tr><td>us-declaration</td><td>nonprovrawg-usdecl.xml</td><td>652</td><td>2003-10-15</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2003-10-15</td></tr> <tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2003-10-15</td></tr> <tr><td>us-ids</td><td>nonprovrawg-usidst.xml</td><td>857</td><td>2003-10-15</td></tr> <tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2003-10-15</td></tr> <tr><td>us-ids</td><td>us-ids.xml</td><td>12026</td><td>2003-10-15</td></tr> <tr><td>us-assignment</td><td>nonprovrawg-usassn.xml</td><td>1471</td><td>2003-10-15</td></tr> <tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2003-10-15</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2003-10-15</td></tr> <tr><td>us-assignment</td><td>assn1.tif</td><td>10764</td><td>2003-10-15</td></tr> <tr><td>us-request</td><td>nonprovrawg-usrequ.xml</td><td>2164</td><td>2003-10-15</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2003-10-15</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>RAWGPatentApp2-trans.xml</td><td>39589</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2003-10-15</td></tr> <tr><td>application-body</td><td>isomfrk.ent</td><td>4553</td><td>2003-10-15</td></tr> </tbody> </table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-fee-sheet | nonprovrawg-usfees.xml | 1630 | 2003-10-15 | us-fee-sheet | us-fee-sheet.xml | 24912 | 2003-10-15 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2003-10-15 | us-declaration | nonprovrawg-usdecl.xml | 652 | 2003-10-15 | us-declaration | us-declaration.dtd | 3833 | 2003-10-15 | us-declaration | us-declaration.xml | 10015 | 2003-10-15 | us-ids | nonprovrawg-usidst.xml | 857 | 2003-10-15 | us-ids | us-ids.dtd | 7763 | 2003-10-15 | us-ids | us-ids.xml | 12026 | 2003-10-15 | us-assignment | nonprovrawg-usassn.xml | 1471 | 2003-10-15 | us-assignment | us-assignment.xml | 8983 | 2003-10-15 | us-assignment | us-assignment.dtd | 10898 | 2003-10-15 | us-assignment | assn1.tif | 10764 | 2003-10-15 | us-request | nonprovrawg-usrequ.xml | 2164 | 2003-10-15 | us-request | us-request.dtd | 19064 | 2003-10-15 | us-request | us-request.xml | 33300 | 2003-10-15 | application-body | RAWGPatentApp2-trans.xml | 39589 | 2003-10-15 | application-body | us-application-body.xml | 83497 | 2003-10-15 | application-body | application-body.dtd | 49498 | 2003-10-15 | application-body | wipo.ent | 4956 | 2003-10-15 | application-body | mathml2.dtd | 54588 | 2003-10-15 | application-body | mathml2-qname-1.mod | 13225 | 2003-10-15 | application-body | isoamsa.ent | 5191 | 2003-10-15 | application-body | isoamsb.ent | 3988 | 2003-10-15 | application-body | isoamsc.ent | 1460 | 2003-10-15 | application-body | isoamsn.ent | 5620 | 2003-10-15 | application-body | isoamso.ent | 1934 | 2003-10-15 | application-body | isoamsr.ent | 7073 | 2003-10-15 | application-body | isogr3.ent | 3559 | 2003-10-15 | application-body | isomfrk.ent | 4553 | 2003-10-15 |
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| us-ids                    | nonprovrawg-usidst.xml   | 857  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-ids                    | us-ids.dtd   | 7763   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-ids                    | us-ids.xml   | 12026  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-assignment             | nonprovrawg-usassn.xml   | 1471   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-assignment             | us-assignment.xml  | 8983   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-assignment             | us-assignment.dtd  | 10898  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-assignment             | assn1.tif  | 10764  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-request                | nonprovrawg-usrequ.xml   | 2164   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-request                | us-request.dtd   | 19064  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| us-request                | us-request.xml   | 33300  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | RAWGPatentApp2-trans.xml   | 39589  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | us-application-body.xml  | 83497  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | application-body.dtd   | 49498  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | wipo.ent   | 4956   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | mathml2.dtd  | 54588  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | mathml2-qname-1.mod  | 13225  | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamsa.ent  | 5191   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamsb.ent  | 3988   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamsc.ent  | 1460   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamsn.ent  | 5620   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamso.ent  | 1934   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isoamsr.ent  | 7073   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isogr3.ent   | 3559   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |
| application-body          | isomfrk.ent  | 4553   | 2003-10-15               |                   |           |              |   |              |                        |      |            |              |                  |       |            |              |                  |       |            |                |                        |     |            |                |                    |      |            |                |                    |       |            |        |                        |     |            |        |            |      |            |        |            |       |            |               |                        |      |            |               |                   |      |            |               |                   |       |            |               |           |       |            |            |                        |      |            |            |                |       |            |            |                |       |            |                  |                          |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |                  |             |      |            |

| Doc. Name        | File Name            | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|----------------------|--------------|--------------------------|
| application-body | isomopf.ent          | 2571         | 2003-10-15               |
| application-body | isomscr.ent          | 4628         | 2003-10-15               |
| application-body | isotech.ent          | 5268         | 2003-10-15               |
| application-body | isobox.ent           | 3568         | 2003-10-15               |
| application-body | isocyr1.ent          | 5345         | 2003-10-15               |
| application-body | isocyr2.ent          | 2504         | 2003-10-15               |
| application-body | isodia.ent           | 1508         | 2003-10-15               |
| application-body | isolat1.ent          | 5282         | 2003-10-15               |
| application-body | isolat2.ent          | 9007         | 2003-10-15               |
| application-body | isonum.ent           | 5913         | 2003-10-15               |
| application-body | isopub.ent           | 6621         | 2003-10-15               |
| application-body | mmlextra.ent         | 7901         | 2003-10-15               |
| application-body | mmlalias.ent         | 38209        | 2003-10-15               |
| application-body | soextblx.dtd         | 12870        | 2003-10-15               |
| application-body | Table1.tif           | 12684        | 2003-10-15               |
| application-body | Fig1.tif             | 12656        | 2003-10-15               |
| application-body | Fig2a.tif            | 12253        | 2003-10-15               |
| application-body | Fig2b.tif            | 4001         | 2003-10-15               |
| application-body | Fig3.tif             | 11775        | 2003-10-15               |
| application-body | Fig4.tif             | 2071         | 2003-10-15               |
| application-body | Fig5.tif             | 10764        | 2003-10-15               |
| application-body | Fig6.tif             | 20563        | 2003-10-15               |
| application-body | Fig7.tif             | 18812        | 2003-10-15               |
| application-body | Fig8.tif             | 29956        | 2003-10-15               |
| application-body | Fig9.tif             | 4421         | 2003-10-15               |
| application-body | Fig10.tif            | 5311         | 2003-10-15               |
| application-body | Fig11.tif            | 5672         | 2003-10-15               |
| application-body | Fig12.tif            | 25105        | 2003-10-15               |
| application-body | Fig13.tif            | 6775         | 2003-10-15               |
| application-body | Fig14.tif            | 6767         | 2003-10-15               |
| package-data     | nonprovrawg-pkda.xml | 10447        | 2003-10-15               |
| package-data     | package-data.dtd     | 27025        | 2003-10-15               |
| package-data     | us-package-data.xsl  | 19263        | 2003-10-15               |
| Total files size |                      | 795648       |                          |

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